

SECRET/CONTROL
CENTRAL INTELLIGENCE AGENCY

ATTACHMENT ONE

CONFIDENTIAL

Data on a Turbo Compressor

- a) Power: Diesel motor 400 to 600 HP
- b) Performance: 10,000 - 15,000 r.p.m.
- c) Number of pressure phases: 4
- d) Output volume: 700/120-10 166 m³/sek 200C 745 mm Hg.
- e) Output weight: 13,8 kg/sek.
- f) Initial pressure: 0,98 atmospheres
- g) Final pressure: 1,492 mm W.S.
- h) Diagram figures:

"Gefaelleschwindigkeit":

"Wärmegefälle": adiab. Gefaelle 1265 Cal./kg

total " 1545 " "

"Laufradgefaelle": 1st stage	2nd stage	3rd stage	4th stage
1,0104	1,272	1,458	1,666
"Leitradgefaelle" 1,155	1,330	1,523	5,745

Pressure increases

a) Rotor	2,073	3,545	4,849	6,121
b) Stator	1,590	1,870	2,446	3,675

Temperature increases:

adiab. Gefaelle

410	679	855	1265 °C
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